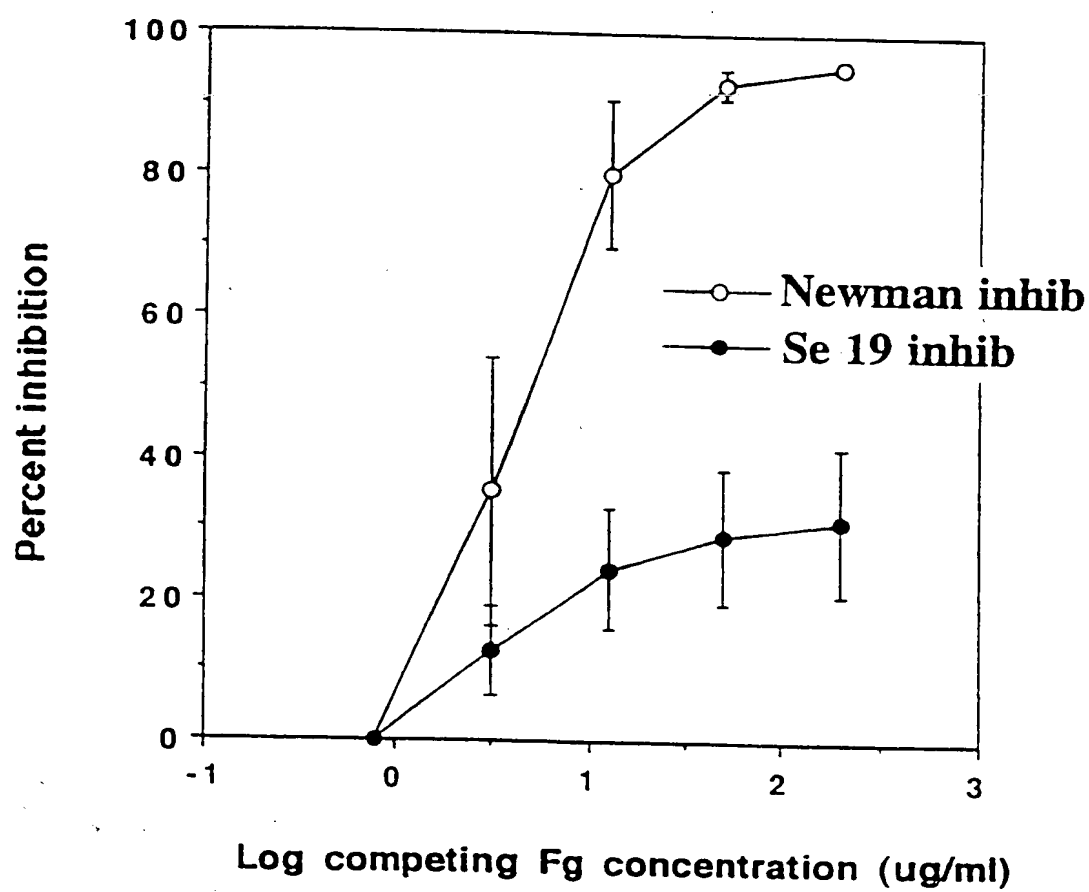


Fig. 3



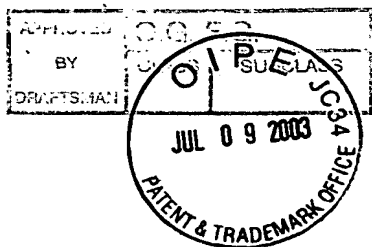


Fig. 6A

→S
TACATTGAAATAGTCAAAGAAAAGGAGTTTTTATGATTAATAAAAAAATAATTTACTAA-60
M I N K K N N L L -9

CTAAAAAGAAACCTATAGCAAATAAATCCAATAAATATGCAATTAGAAAATTCACAGTAG-120
T K K K P I A N K S N K Y A I R K F T V -29

GTACAGCGTCTATTGTAATAGGTGCAACATTATTGTTTGGTTTAGGTCATAATGAGGCCA-180
G T A S I V I G A T L L F G L G H N E A -49

→A
AAGCCGAGGAGAATTCAGTACAAGACGTTAAAGATTTCGAATACGGATGATGAATTATCAG-240
K A E E N S V Q D V K D S N T D D E L S -69

ACAGCAATGATCAGTCTAGTGATGAAGAAAAGAATGATGTGATCAATAATAATCAGTCAA-300
D S N D Q S S D E E K N D V I N N N Q S -89

TAAACACCGACGATAATAACCAAATAATTAAAAAGAAGAAACGAATAACTACGATGGCA-360
I N T D D N N Q I I K K E E T N N Y D G -109

TAGAAAAACGCTCAGAAGATAGAACAGAGTCAACAACAAATGTAGATGAAAACGAAGCAA-420
I E K R S E D R T E S T T N V D E N E A -129

CATTTTACAAAAGACCCCTCAAGATAATACTCATCTTACAGAAGAAGAGGTAAAAGAAT-480
T F L Q K T P Q D N T H L T E E E V K E -149

CCTCATCAGTCGAATCCTCAAATTCATCAATTGATACTGCCCAACAACCATCTCACACAA-540
S S S V E S S N S S I D T A Q Q P S H T -169

CAATAAATAGAGAAGAATCTGTTCAAACAAGTGATAATGTAGAAGATTCACACGTATCAG-600
T I N R E E S V Q T S D N V E D S H V S -189

ATTTTGCTAACTCTAAAATAAAAGAGAGTAACACTGAATCTGGTAAAGAAGAGAATACTA-660
D F A N S K I K E S N T E S G K E E N T -209

TAGAGCAACCTAATAAAGTAAAAGAAGATTCAACAACAAGTCAGCCGTCTGGCTATACAA-720
I E Q P N K V K E D S T T S Q P S G Y T -229

ATATAGATGAAAAAATTTCAAATCAAGATGAGTTATTAAATTTACCAATAAATGAATATG-780
N I D E K I S N Q D E L L N L P I N E Y -249

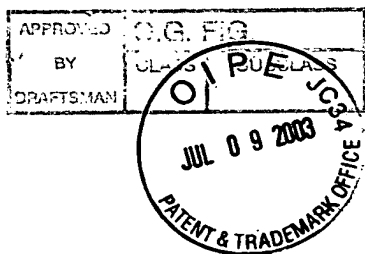


Fig. 6B

AAAATAAGGCTAGACCATTATCTACAACATCTGCCCAACCATCGATTAAACGTGTAACCG-840
E N K A R P L S T T S A Q P S I K R V T -269

TAAATCAATTAGCGGCGGAACAAGGTTGGAATGTTAACCATTTAATTAAAGTTACTGATC-900
V N Q L A A E Q G S N V N H L I K V T D -289

AAAGTATTACTGAAGGATATGATGATAGTGAAGGTGTTATTAAAGCACATGATGCTGAAA-962
Q S I T E G Y D D S E G V I K A H D A E -309

ACTTAATCTATGATGTAACTTTTGAAGTAGATGATAAGGTGAAATCTGGTGATACCATGA-1020
N L I Y D V T F E V D D K V K S G D T M -329

CAGTGGATATAGATAAGAATACAGTTCATCAGATTTAACCGATAGCTTTACAATACCAA-1080
T V D I D K N T V P S D L T D S F T I P -349

AAATAAAAGATAATTCTGGAGAAATCATCGCTACAGGTACTTATGATAACAAAAATAAAC-1140
K I K D N S G E I I A T G T Y D N K N K -369

AAATCACCTATACTTTTACAGATTATGTAGATAAGTATGAAAATATTAAAGCACACCTTA-1200
Q I T Y T F T D Y V D K Y E N I K A H L -389

AATTAACGTCATACATTGATAAATCAAAGGTTCCAAATAATAATACCAAGTTAGATGTAG-1260
K L T S Y I D K S K V P N N N T K L D V -409

AATATAAAACGGCCCTTTCATCAGTAAATAAAACAATTACGGTTGAATATCAAAGACCTA-1320
E Y K T A L S S V N K T I T V E Y Q R P -429

ACGAAAATCGGACTGCTAACCTTCAAAGTATGTTTACAAATATAGATACGAAAAATCATA-1380
N E N R T A N L Q S M F T N I D T K N H -449

CAGTTGAGCAAACGATTTATATTAACCCTCTTCGTTATTTCAGCCAAGGAAACAAATGTAA-1440
T V E Q T I Y I N P L R Y S A K E T N V -469

ATATTTTCAGGGAATGGTGATGAAGGTTCAACAATTATAGACGATAGCACAATAATTAAAG-1500
N I S G N G D E G S T I I D D S T I I K -489

TTTATAAGGTTGGAGATAATCAAAATTTACCAGATAGTAACAGAATTTATGATTACAGTG-1560
V Y K V G D N Q N L P D S N R I Y D Y S -509

AATATGAAGATGTCACAAATGATGATTATGCCCAATTAGGAAATAATAATGATGTGAATA-1620
E Y E D V T N D D Y A Q L G N N N D V N -529

TTAATTTTGGTAATATAGATTCACCATATATTATTAAAGTTATTAGTAAATATGACCCTA-1680
I N F G N I D S P Y I I K V I S K Y D P -549

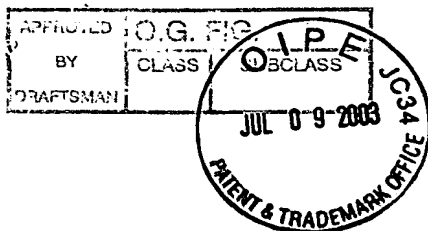


Fig. 6C

ATAAGGATGATTACACGACTATACAGCAAACCTGTGACAATGCAGACGACTATAAATGAGT-1740
N K D D Y T T I Q Q T V T M Q T T I N E -569

ATACTGGTGAGTTT TAGAACAGCATCCTATGATAATACAATTGCTTTCTCTACAAGTTCAG-1800
Y T G E F R T A S Y D N T I A F S T S S -589

GTCAAGGACAAGGTGACTTGCCTCCTGAAAAAACTTATAAAATCGGAGATTACGTATGGG-1860
G Q G Q G D L P P E K T Y K I G D Y V W -609
AAGATGTAGATAAAGATGGTATTCAAATACAAATGATAATGAAAAACCGCTTAGTAATG-1920
E D V D K D G I Q N T N D N E K P L S N -629

TATTGGTAACTTTGACGTATCCTGATGGAACCTCAAATCAGTCAGAACAGATGAAGATG-1980
V L V T L T Y P D G T S K S V R T D E D -649

GGAAATATCAATTTGATGGATTGAAAAACGGATTGACTTATAAAATTACATTCGAAACAC-2040
G K Y Q F D G L K N G L T Y K I T F E T -669
CTGAAGGATATACGCCGACGCTTAAACATTCAGGAACAAATCCTGCACTAGACTCAGAAG-2100
P E G Y T P T L K H S G T N P A L D S E -689

GTAATTCTGTATGGGTAACCTATTAATGGACAAGACGATATGACGATTGATAGTGGATTTT-2160
G N S V W V T I N G Q D D M T I D S G F -709

ATCAAACACCTAAATACAGCTTAGGGAACTATGTATGGTATGACACTAATAAAGATGGTA-2220
Y Q T P K Y S L G N Y V W Y D T N K D G -729

TTCAAGGTGATGATGAAAAAGGAATCTCTGGAGTTAAAGTGACGTTAAAAGATGAAAACG-2280
I Q G D D E K G I S G V K V T L K D E N -749

GAAATATCATTAGTACAACCTACAACCGATGAAAATGGAAAGTATCAATTTGATAATTTAA-2340
G N I I S T T T T D E N G K Y Q F D N L -769

ATAGTGGTAATTATATTGTTTCATTTTGATAAACCTTCAGGTATGACTCAAACAACAACAG-2400
N S G N Y I V H F D K P S G M T Q T T T -789

ATTCTGGTGATGATGACGAACAGGATGCTGATGGGGAAGAAGTTCATGTAACAATTACTG-2460
D S G D D D E Q D A D G E E V H V T I T -809

→R
ATCATGATGACTTTAGTATAGATAACGGATACTATGATGACGAATCGGATTCCGATAGTG-2520
D H D D F S I D N G Y Y D D E S D S D S -829

ACTCAGACAGCGACTCAGATTCCGATAGTGATTTCAGACTCCGATAGCGACTCGGATTCAG-2580
D S D S D S D S D S D S D S D S D S -849

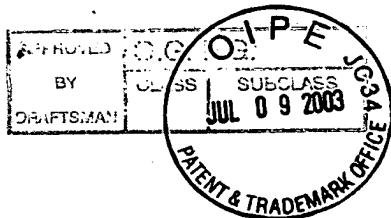


Fig. 6D

ACAGCGACTCAGATTCAGACAGCGACTCGGATTCTGATAGCGACTCGGATTCAGACAGCG-2640
D S D S D S D S D S D S D S D S D S D S -869

ACTCAGACTCAGACAGTGATTCAGATTCAGACAGCGACTCAGATTCGGATAGTGATTCAG-2700
D S D S D S D S D S D S D S D S D S D S -889

ACTCAGACAGCGACTCAGATTCTGATAGTGATTCAGACTCAGACAGTGATTCAGATTCAG-2760
D S D S D S D S D S D S D S D S D S D S -909

ACAGCGACTCAGATTCGGATAGTGATTCAGACTCAGACAGCGACTCAGATTCGGATAGTG-2820
D S D S D S D S D S D S D S D S D S D S -929

ATTCAGACTCAGACAGCGACTCAGATTCTGATAGTGATTCAGACTCAGACAGTGATTCAG-2880
D S D S D S D S D S D S D S D S D S D S -949

ACTCAGACAGTGATTCAGATTCGGATAGTGATTCAGACTCCGATAGCGACTCAGACTCGG-2940
D S D S D S D S D S D S D S D S D S D S -969

ATAGTGACTCAGATTCTGATAGTGATTCAGACTCCGATAGCGACTCAGACTCGGATAGTG-3000
D S D S D S D S D S D S D S D S D S D S -989

ACTCAGATTCTGATAGTGATTCAGACTCAGACAGCGACTCAGATTCTGATAGTGATTCAG-3060
D S D S D S D S D S D S D S D S D S D S -1009

ACTCAGTCAGTGATTCAGATTCGGATAGTGATTCAGACTCAGGCAGTGATTCGGATTCCG-3120
D S V S D S D S D S D S D S D S G S D S D S -1029

R←
ATAGTGATTCAGACTCAGACAACGACTCAGATTTAGGCAATAGCTCAGATAAGAGTACAA-3180
D S D S D S D N D S D L G N S S D K S T -1049

→M
AAGATAAATTACCTGATACAGGAGCTAATGAAGATTATGGCTCTAAAGGCACGTTACTTG-3240
K D K L P D T G A N E D Y G S K G T L L -1069

GAACTCTGTTTGCAGGTTTAGGAGCGTTATTATTAGGGAAACGTCGCAAAAATAGAAAAA-3300
G T L F A G L G A L L L G K R R K N R K -1089

ATAAAAATTAAATGTTCAAATGAAATTTGTAGAAAGAAGCAGATATGAGATTTGAATAG-3360
N K N * -1092

AAAGTAGATTTAGTCCAACAAATGTAAGATGTTGATTAAACTATAATATAACTTTCACG-3420

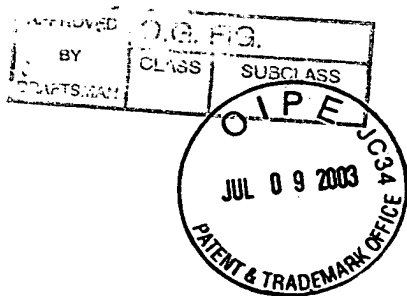


Fig. 6E

TTTATCATATCTTGTGAAAAAGATGATGCAAACAAGGTCATTTCTATTAAAAATGACTTA-3480
AATGTATGATTTTTAGAGAAACATATACAACTCACAATCTGACAATGATTTAATAGAGGA-3540
ACCGTGAATTTTAAATGAATTCATGGTTCCTTTTATTGAATTAATAAAAAATTCTTTTAT-3600

APPROVED	O.G. FIG.	
BY	CLASS.	SUBCLASS
DRAPTSMAN		

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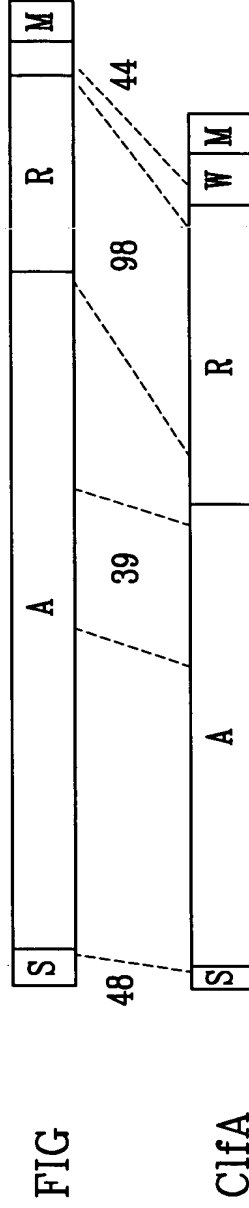
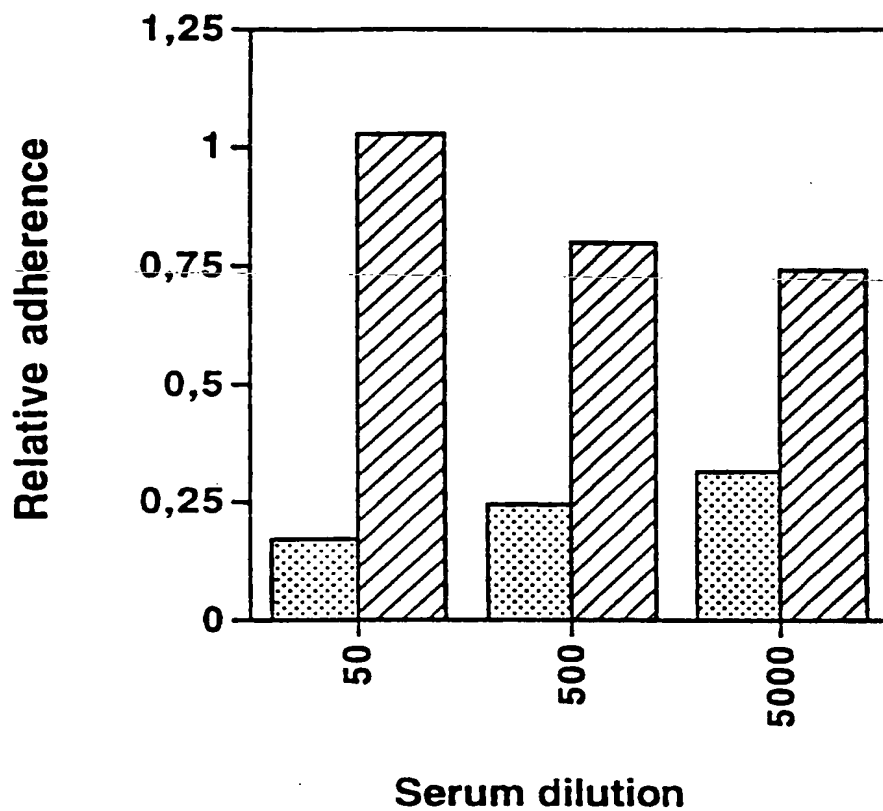


Fig. 7



Fig. 11



■ Serum against GST- FIG

▨ Pre immune serum